Receipts for Lovely Loveseats

We've decided to pursue the dream of small-business ownership and open up a furniture store called *Lovely Loveseats for Neat Suites on Fleet Street*. With our newfound knowledge of Python programming, we're going to build a system to help speed up the process of creating receipts for your customers.

In this project, we will be storing the names and prices of a furniture store's catalog in variables. You will then process the total price and item list of customers, printing them to the output terminal.

Please note: Projects do not run tests against your code. This experience is more open to your interpretation and gives you the freedom to explore. Remember that all variables must be declared *before* they are referenced in your code.

If you get stuck during this project or would like to see an experienced developer work through it, click "**Get Unstuck**" to see a **project walkthrough video**.

Tasks

20/20 Complete
Mark the tasks as complete by checking them off

Adding In The Catalog

1.

Let's add in our first item, the Lovely Loveseat that is the store's namesake. Create a variable called `lovely_loveseat_description` and assign to it the following string:

```
Lovely Loveseat. Tufted polyester blend on wood. 32 inches high x 40 inches wide x 30 inches deep. Red or white.
```

Hint
Recall string assignment syntax:

```
variable_name = "This is a string"
```

2.

Great, now let's create a price for the loveseat. Create a variable `lovely_loveseat_price` and set it equal to `254.00`.

Hint

Assign the variable same as the string before, but leave out the quotes since we're storing a number:

```
numeric_variable = 10.00
```

3.

Let's extend our inventory with another characteristic piece of furniture! Create a variable called `stylish_settee_description` and assign to it the following string:

```
Stylish Settee. Faux leather on birch. 29.50 inches high x 54.75
inches wide x 28 inches deep. Black.
```

4.

Now let's set the price for our Stylish Settee. Create a variable `stylish_settee_price` and assign it the value of `180.50`.

5.

Fantastic, we just need one more item before we're ready for business. Create a new variable called `luxurious_lamp_description` and assign it the following:

```
Luxurious Lamp. Glass and iron. 36 inches tall. Brown with cream
shade.
```

6.

Let's set the price for this item. Create a variable called `luxurious_lamp_price` and set it equal to `52.15`.

7.

In order to be a business, we should also be calculating sales tax. Let's store that in a variable as well.

Define the variable `sales_tax` and set it equal to `.088`. That's 8.8%.

Our First Customer

8.

Our first customer is making their purchase! Let's keep a running tally of their expenses by defining a variable called `customer_one_total`. Since they haven't purchased anything yet, let's set that variable equal to `0` for now.

9.

We should also keep a list of the descriptions of things they're purchasing. Create a variable called `customer_one_itemization` and set that equal to the empty string `""`. We'll tack on the descriptions to this as they make their purchases.
Hint
An empty string is a string without any characters in it. Assign it just like any other variable:

```
empty_string = ""
```

10.

Our customer has decided they are going to purchase our Lovely Loveseat!
Add the price to `customer_one_total`.

Hint

The price for the loveseat is saved in `lovely_loveseat_price`. Add it to the total
like so:

```
customer_one_total += lovely_loveseat_price
```

11.

Let's start keeping track of the items our customer purchased. Add the
description of the Lovely Loveseat to `customer_one_itemization`.

Hint

The description is in the `lovely_loveseat_description` variable. Recall you can use
the plus-equals operator to add strings to an existing variable.

```
customer_one_itemization += lovely_loveseat_description
```

12.

Our customer has also decided to purchase the Luxurious Lamp! Let's add the
price to the customer's total.

Hint

Add `luxurious_lamp_price` to `customer_one_total`.

13.

Let's keep the itemization up-to-date and add the description of the Luxurious
Lamp to our itemization.

14.

They're ready to check out! Let's begin by calculating sales tax. Create a
variable called `customer_one_tax` and set it equal
to `customer_one_total` times `sales_tax`.

Hint

Multiplication uses the `*` operator.

```
customer_one_tax = customer_one_total * sales_tax
```

15.

Add the sales tax to the customer's total cost.

Hint

Update the variable `customer_one_total` by adding `customer_one_tax` to it.

16.

Let's start printing up their receipt! Begin by printing out the heading for their
itemization. Print the phrase `"Customer One Items:"`.

Hint

Use the `print()` function and pass in the string to print, like so:

```
print("Your phrase here")
```

17.

Print `customer_one_itemization`.

Hint

Use the `print()` function to print the variable like so:

```
print(customer_one_itemization)
```

18.

Now add a heading for their total cost: Print out `"Customer One Total:"`

19.

Now print out their total! Our first customer now has a receipt for the things they purchased.

20.

Congratulations! We created our catalog and served our first customer. We used our knowledge of strings and numbers to create and update variables. We were able to print out an itemized list and a total cost for our customer. Lovely!

script.py

```python
lovely_loveseat_description = """
  Lovely Loveseat. Tufted polyester blend on wood. 32 inches high x 40 inches wide x 30 inches deep. Red or white.
"""

lovely_loveseat_price = 254.00

stylish_settee_description = """
  Stylish Settee. Faux leather on birch. 29.50 inches high x 54.75 inches wide x 28 inches deep. Black.
"""

stylish_settee_price = 180.50

luxurious_lamp_description = """
  Luxurious Lamp. Glass and iron. 36 inches tall. Brown with cream shade.
"""
luxurious_lamp_price = 52.15

sales_tax = .088

customer_one_total = 0
```

```python
customer_one_itemization = ""

customer_one_total += lovely_loveseat_price

customer_one_itemization += lovely_loveseat_description

customer_one_total += luxurious_lamp_price

customer_one_itemization += " "

customer_one_itemization += luxurious_lamp_description

customer_one_tax = customer_one_total * sales_tax

customer_one_total += customer_one_tax

print("Customer One Items:")

print(customer_one_itemization)

print("Customer One Total:")

print(customer_one_total)
```